

# DISTRICT HEALTH DEPARTMENT NO. 2

COUNTIES  
OF

ALCONA  
IOSCO  
OGEMAW  
OSCODA

## OFFICE LOCATIONS:

**ALCONA COUNTY OFFICE**  
Alcona County Building  
Harrisville 48740  
Phone 724-6757

**IOSCO COUNTY OFFICE**  
339 So. State St.  
Oscoda 48750  
Phone 739-3281

**OGEMAW COUNTY OFFICE**  
Ogemaw County Building  
West Branch 48661  
Phone 345-5020

**OSCODA COUNTY OFFICE**  
Courthouse Annex  
Mio 48647  
Phone 826-3970

January 23, 1985

Lincoln Hardware  
Barlow Road  
Lincoln, MI 48742

RECEIVED  
JAN 25 1985  
GROUNDWATER-BOSCOMMON

US EPA RECORDS CENTER REGION 5



Dear Mr. Krone:

Enclosed please find the analytical results of a water sample taken by myself on January 8, 1985.

Your drinking water well was sampled and analyzed for volatile halogenated and non-halogenated hydrocarbons, especially those which are components of gasoline. Five compounds were present namely: Ethylene Dibromide at 4 PPB (parts per billion), Benzene at 97 PPB, Ethylbenzene at 165 PPB, Toluene at 3 PPB and Xylene at 105 PPB.

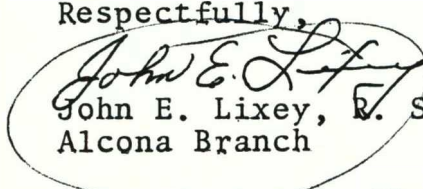
Benzene is a compound that is suspected of being a cancer causing agent, and for this reason I am recommending that you not use your water for drinking or cooking purposes.

The Water Quality Division of the Michigan Department of Natural Resources has been notified and will also investigate this problem.

Until a complete sanitary survey is completed and results are analyzed from future water samples taken in the area, the source and extent of the contamination cannot be determined at this time.

If you should have any questions regarding the above, please do not hesitate to contact me.

Respectfully,

  
John E. Lixey, E. S.  
Alcona Branch

cc: Jim Lahti, Michigan Department of Public Health  
John Alford, Department of Natural Resources

# EMICAL ANALYSIS OF WATER

RECEIVED

JAN 25 1985

GROUNDWATER-PUSUMMON

Laboratory and Epidemiological Services Administration  
Michigan Department of Public Health  
3500 North Logan, P.O. Box 30035  
Lansing, MI 48909  
Telephone (517) 373-1428

Abbreviations: GT = Greater than given value  
MCL = State regulated maximum contaminant limit

LAB NO.: 8501-00688  
PROGRAM CODE: 14

Page: 1

## REPORT TO:

District Health Dept. #2  
Courthouse Annex  
311 Lake St.  
Harrisville, MI 48740

Date received: 01/09/85  
Date reported: 01/14/85

Examiner in Charge:

## SAMPLE SOURCE INFORMATION:

System Owner: LINCOLN HARDWARE  
Street Address: F-41  
City or Twp: LINCOLN  
County: ALCON

WSSN:  
Location/Source:  
Collected by: LIXEY  
Date Collected: 01/08/85

Test Name	Test Result	Standard Health MCL	Detection. Test Limit
BROMOETHANE	Not Detected		0.001mg/l
BROMOFORM	Not Detected	0.10mg/l	0.001mg/l
CARBON TETRACHLORIDE	Not Detected		0.001mg/l
CHLOROBENZENE	Not Detected		0.001mg/l
CHLORODIBROMOMETHANE	Not Detected	0.10mg/l	0.001mg/l
CHLOROETHANE	Not Detected		0.010mg/l
CHLOROFORM	Not Detected	0.10mg/l	0.001mg/l
DICHLOROBROMOMETHANE	Not Detected	0.10mg/l	0.001mg/l
DICHLOROETHANE, 1,2-	Not Detected		0.001mg/l
DICHLOROETHANE, 1,1-	Not Detected		0.001mg/l
DICHLOROETHYLENE, TRANS-1,2,	Not Detected		0.001mg/l
DICHLOROETHYLENE, CIS-1,2,	Not Detected		0.001mg/l
DICHLOROPROPANE, 1,2-	Not Detected		0.001mg/l
DICHLOROPROPYLENE, TRANS-1,3,	Not Detected		0.001mg/l
DICHLOROPROPYLENE, CIS-1,3,	Not Detected		0.001mg/l
ETHYLENE DIIBROMIDE	0.004mg/l ✓		
FLUOROTRICHLOROMETHANE	Not Detected		0.010mg/l
HEXACHLOROETHANE	Not Detected		0.001mg/l
METHYL BROMIDE	Not Detected		0.001mg/l
METHYL CHLORIDE	Not Detected		0.050mg/l
METHYLENE CHLORIDE	Not Detected		0.001mg/l
TETRACHLOROETHANE, 1,1,2,2-	Not Detected		0.001mg/l
TETRACHLOROETHYLENE	Not Detected		0.001mg/l
TOTAL TRIHALOMETHANES	Not Detected	0.10mg/l	0.001mg/l
TRICHLOROETHANE, 1,1,2-	Not Detected		0.001mg/l
TRICHLOROETHANE, 1,1,1-	Not Detected		0.001mg/l
TRICHLOROETHYLENE	Not Detected		0.001mg/l
VINYL CHLORIDE	Not Detected		0.005mg/l
VINYLDENE CHLORIDE	Not Detected ✓		0.001mg/l
BENZENE	0.097mg/l ✓		
DICHLOROBENZENE, 1,4-	Not Detected		0.001mg/l

(CONTINUED)



# CHEMICAL ANALYSIS OF WATER

Laboratory and Epidemiological Services Administration  
Michigan Department of Public Health  
3500 North Logan, P.O. Box 30035  
Lansing, MI 48909  
Telephone (517) 373-1428

RECEIVED

JAN 25 1985

GROUNDWATER-POLLUTION

Abbreviations: GT = Greater than given value  
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LAB NO.: 8501-00688  
PROGRAM CODE: 14

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City or Twp: LINCOLN  
County: ALCON

WSSN:  
Location/Source:  
Collected by: LIXEY  
Date Collected: 01/08/85

Test Name	Test Result	Standard Health MCL	Detection Test Limit
DICHLOROBENZENE, 1,3-	Not Detected		0.001mg/l
DICHLOROBENZENE, 1,2-	Not Detected		0.001mg/l
ETHYLBENZENE	0.165mg/l ✓		
METHYLETHYL KETONE	Not Detected		0.02mg/l
METHYL ISOBUTYL KETONE	Not Detected		0.020mg/l
STYRENE	Not Detected		0.001mg/l
TOLUENE	0.003mg/l ✓		
XYLENE	0.105mg/l ✓		

Note: Analysis indicated the presence of a multicomponent hydrocarbon similar to gasoline.